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PTO/SB/08A (08-09)

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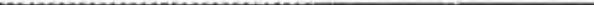
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1 of 2

<i>Complete if Known</i>	
Application Number	10/708,356
Filing Date	2/26/2004
First Named Inventor	Hurd, Ralph E.
Group Art Unit	2862
Examiner Name	Unknown
Attorney Docket Number	GEMS8081.187

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	7. 21. 05
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Sheet

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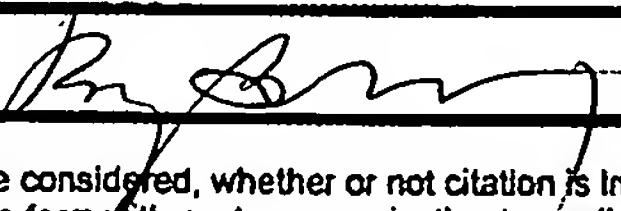
2

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Group Art Unit	2862
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Attorney Docket Number	GEMS8081.187

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
B		KREUTZER ET AL., "1H-nuclear magnetic resonance deoxymyoglobin signal as indicator of intracellular oxygenation in myocardium," <i>Am J Physiol.</i> (1991), p. H2091-97, 0363-6135/91.	
		KREUTZER ET AL., "Observing the Deoxy Hemoglobin Signal in Human Muscle as an Index of Vascular pO ₂ ," <i>Proc. Int. Soc. Magn. Reson. Med.</i> 77 (1998).	
		LUKIN ET AL., "Quaternary structure of hemoglobin in solution," <i>PNAS</i> (2003), p. 517-520, vol. 100, no. 2, available at www.pnas.org/cgi/doi/10.1073/pnas.232715799 .	
		MIHAILESCU ET AL., "A signature of the T → R transition in human hemoglobin," <i>PNAS</i> (2001), p. 3773-3777, vol. 98, no. 7, available at www.pnas.org/cgi/doi/10.1073/pnas.071493598 .	
		MOLE ET AL., "Myoglobin desaturation with exercise Intensity in human gastrocnemius muscle," <i>Am J Physiol.</i> (1999), p. R173-80, 0363-6119/99.	
		SIMPLACEANU ET AL., "Chain-Selective Isotopic Labeling for NMR Studies of Large Multimeric Proteins: Application to Hemoglobin," <i>Biophysical Journal</i> (2000), p. 1146-1154, Vol. 79(2).	
		TRAN ET AL., "Comparative analysis of NMR and NIRS measurements of intracellular PO ₂ in human skeletal muscle," <i>Am J Physiol</i> (1999), p. R1682-1690, 0363-6119/99.	
		TRAN ET AL., "Spatial distribution of deoxymyoglobin in human muscle: an index of local tissue oxygenation," <i>NMR Biomed.</i> (1999;12:26-30), John Wiley & Sons, Ltd.	
		ZHOU ET AL., "Amide Proton Transfer Contrast for Imaging of Brain Tumors," <i>Proc. ISMRM</i> 11 (2003), p. 42.	
B		ZHOU ET AL., "Using the amide proton signals of intracellular proteins and peptides to detect pH effects in MRI," <i>Nature Medicine</i> (2003), p. 1085-90, vol. 9, no. 8.	

Examiner Signature		Date Considered	7.20.15
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Sheet

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of

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Complete if Known

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Filing Date	2/26/2004
First Named Inventor	Hurd, Ralph E.
Group Art Unit	2862
Examiner Name	Unknown
Attorney Docket Number	GEMS8081.187

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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		JUE, T., 'Measuring Tissue Oxygenation with the ¹ H NMR Signals of Myoglobin', <i>NMR in Physiology and Biomedicine</i> , 1991, pp. 199-207.	

Examiner Signature		Date Considered	7.20.05
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